

# Airport School - Ahmedabad

## Syllabus and Paper Pattern (Half Yearly Exams)

**Academic Session 2023-24**

### Class - XI (SCIENCE)

S.No.	SUBJECT	SYLLABUS	SYLLABUS	MARKS
1	ENGLISH	HORNBILL (PROSE)	<b>Section -A READING</b>	
		1 PORTRAIT OF A LADY	Q1 UNSEEN PASSAGE	<b>10</b>
		2 WE'RE NOT AFRAID TO DIE...	Q2 UNSEEN PASSAGE (CASE STUDY BASED)	<b>8</b>
		3 DISCOVERING TUT	Q3 NOTE MAKING ANS SUMMARISING (5+3)	<b>8</b>
		4 SILK ROAD	<b>Section- B GRAMMAR</b>	
		HORNBILL (POEM)	Q4 FILL IN THE BLANKS	<b>4qx1m=4</b>
		1 A PHOTOGRAPH	Q5 REORDERING THE SENTENCE	<b>3qx1m=3</b>
		2 THE LABURNUM TOP	<b>Section- B CREATIVE WRITING SCHOOL</b>	
		3 THE VOICE OF THE RAIN	Q6 CLASSIFIED ADVRTISEMENT (ATTEMPT ONE OUT OF TWO)	<b>1qx3m=3</b>
		4 CHILDHOOD	Q7 POSTER MAKING (ATTEMPT ONE OUT OF TWO)	<b>1qx3m=3</b>
		5 FATHER TO SON	Q8 SPEECH (ATTEMPT ONE OUT OF TWO)	<b>1qx5m=5</b>
		SNAPSHOT	Q9 DEBATE (ATTEMPT ONE OUT OF TWO)	<b>1qx5m=5</b>
		1 THE SUMMER OF THE BEAUTIFUL WHITE HORSE	<b>Section -C LITERATURE</b>	
		2 THE ADDRESS	Q 10 REFERENCE TO CONTEXT	

		3 MOTHER'S DAY	A 1 OUT OF 2 EXTRACTS FROM POETRY (HORNBILL)	<b>3q x 1m = 3</b>
		4 BIRTH	B 1 OUT OF 2 EXTRACTS FROM POETRY (HORNBILL)	<b>3q x 1m = 3</b>
		5 THE TALE OF MELON CITY	C 1 OUT OF 2 EXTRACTS FROM PROSE (SNAPSHOT)	<b>4q x 1m = 4</b>
		GRAMMAR	Q 11 2 OUT OF 4 SHORT ANSWERS (HORNBILL) (1 FROM PROSE & 1 FROM POEM)	<b>2q x 3m = 6</b>
		TENSES, DETERMINERS, MODALS	Q 12 1 OUT OF 2 SHORT ANSWERS (SNAPSHOT)	<b>1q x 3m = 3</b>
		WRITING SKILLS	Q 13 1 OUT OF 2 LONG ANSWERS (HORNBILL)	<b>1q x 6m = 6</b>
		DEBATE AND SPEECH, CLASSIFIED ADVERTISEMENT, POSTER MAKING	Q 14 1 OUT OF 2 LONG ANSWERS (SNAPSHOT)	<b>1q x 6m = 6</b>
<b>2</b>	<b>PHYSICS</b>	1. Units and Measurement		
		2. Motion in straight line	<b>Section- A</b>	
		3. Motion in a plane	Contains sixteen questions (12 MCQ+4 Assertion Reason) of 1 mark each.	<b>16q x 1m = 16m</b>
		4. Laws of Motion	<b>Section -B</b>	
		5. Work, Energy and Power	Contains 5 questions of two marks each. (With one internal choice)	<b>5q x 2m = 10m</b>
		6. System Particles and Rotational motion	<b>Section -C</b>	
		7. Gravitation	Contains 7 questions of three marks each. (With one internal choice)	<b>7q x 3m = 21m</b>
		8. Mechanical Properties of Solids	<b>Section- D</b>	
		9. Mechanical Properties of Liquid	Contains two case study-based questions of 4 marks each. (With one internal choice in each)	<b>2q x 4m = 8m</b>
		10. Thermal Properties of Matter	<b>Section -E</b>	

		11. Thermodynamics	Contains three long questions of five marks each. (With three internal choice)	
		12. Kinetic Theory		
		13. Oscillations		
		14. Waves		<b>3q x 5m = 15m</b>
<b>3</b>	<b>CHEMISTRY</b>	Chapter 1 to 4, 6,7, 8, 12 & 13	Section A: 16 questions of 1 mark each. ( <b>Questions 1 to 12 MCQs and 13 to 16 Assertion &amp; reason type.</b> )	<b>1 x 16q = 16m</b>
		1. Some Basic Concept of Chemistry	Section B: 5 questions of 2 marks each. ( <b>1 question with internal choice</b> )	<b>2 x 5q = 10m</b>
		2. Structure of Atom 3. Classification of elements 4. Chemical Bonding	Section C: 7 questions of 3 marks each. ( <b>1 question with internal choice</b> )	<b>3 x 7q = 21m</b>
		6. Chemical Thermodynamics 7. Equilibrium 8. Redox Reaction	Section D: 2 case-based questions of 4 marks each.	<b>4 x 2q = 08m</b>
		12. Organic Chemistry: Some Basic Principles 13. Hydrocarbons	Section E: 3 questions of 5 marks each. ( <b>3 questions with internal choice</b> )	<b>5 x 3q = 15m</b>
<b>4</b>	<b>MATHEMATICS</b>	Ch: 1 Set theory	<b>Section -A</b>	
		Ch: 2 Relations and functions	Section A contains 20 MCQs of 1 mark each including 2 Assertion-reason based questions.	<b>20</b>
		Ch: 3 Trigonometric functions	<b>Section- B</b>	
		Ch: 4 Complex numbers and quadratic equations	Section B contains five questions of two marks each. (2 Question with internal Choice)	<b>10</b>
		Ch: 5 Linear inequalities	<b>Section- C</b>	
		Ch: 6 Permutations and combinations	Section C contains six questions of three marks each. (2 Questions with internal Choice)	<b>18</b>
		Ch: 7 Binomial Theorem	<b>Section -D</b>	
		Ch: 8 Sequences and Series	section D contains four long questions of five marks each. (2 Questions with internal Choice)	<b>20</b>

		Ch: 9 Straight lines	<b>Section- E</b>	
		Ch: 10 Conic sections	Section E contains three case study-based questions of 4 marks each with 3 sub parts (one int choice in any one subpart)	<b>12</b>
		Ch: 11 Introduction to three-dimensional geometry		
		Ch: 12 Limits and derivatives		
		Ch: 13 Statistics		
		Ch: 14 Probability		
<b>5</b>	<b>BIOLOGY</b>	Chap:1 The living World	Section A: 16 questions of 1 mark each. (Questions <b>1 to 12 MCQs</b> and <b>13 to 16 Assertion &amp; reason type.</b> )	
		Chap:2 Biological Classification	Section B: 5 questions of 2 marks each. (1 question with internal choice)	
		Chap:3 Plant Kingdom	Section C: 7 questions of 3 marks each. (1 question with internal choice)	
		Chap:4 Animal Kingdom	Section D: 2 case-based questions of 4 marks each.	
		Chap:5 Morphology of flowering plants	Section E: 3 questions of 5 marks each. (3 questions with internal choice)	
		Chap:6 Anatomy of Flowering Plants		
		Chap:7 Structural Organisation in animals		
		Chap:8 Cell the unit of life		
		Chap:9 Biomolecules		
		Chap:10 Cell Cycle and division		
		Chap:11 Photosynthesis in Higher Plants		
		Chap:12 Respiration in Plants		

		Chap:13 Plant Growth and development		
		Chap:14 Breathing and exchange of gases		
		Chap:15 Body fluids and circulation		
		Chap:16 Excretory products and their elimination		
		Chap:17 Locomotion and Movement		
		Chap:18 Neural Control and coordination		
		Chap:19 Chemical Coordination and integration		
<b>6</b>	<b>COMPUTER SCIENCE</b>	List, Tuples, Dictionary and previous topics of python	<b>Section- A</b>	
		Searching, Sorting techniques	Section A has 18 questions carrying 01 mark each.	<b>18</b>
		Functions	<b>Section- B</b>	
		Boolean Algebra	Section B has 07 Very Short Answer type questions carrying 02 marks each.	<b>14</b>
		Society Laws and Ethics, Cyber Security	<b>Section- C</b>	
			Section C has 05 Short Answer type questions carrying 03 marks each.	<b>15</b>
			<b>Section- D</b>	
			Section D has 03 Long Answer type questions carrying 05 marks each.	<b>15</b>
			<b>Section- E</b>	
			Section E has 02 questions carrying 04 marks each. One internal choice is given in Q35.	<b>8</b>